

Title (en)

INFORMATION PROCESSING SYSTEM FOR NONDESTRUCTIVE INSPECTION AND NONDESTRUCTIVE INSPECTION METHOD

Title (de)

INFORMATIONSVERRARBEITUNGSSYSTEM ZUR ZERSTÖRUNGSFREIEN PRÜFUNG UND ZERSTÖRUNGSFREIES PRÜFVERFAHREN

Title (fr)

SYSTÈME DE TRAITEMENT D'INFORMATIONS POUR INSPECTION NON DESTRUCTIVE ET ÉQUIPEMENT D'INSPECTION NON DESTRUCTIVE

Publication

**EP 4024044 A1 20220706 (EN)**

Application

**EP 20859025 A 20200827**

Priority

- JP 2019155484 A 20190828
- JP 2020032272 W 20200827

Abstract (en)

This information processing system is for nondestructive inspection to be performed on measurement objects which are magnetic materials included in nonmagnetic bodies, the system being provided with an information processing device (9) that executes reduction of a magnetic field noise component other than a magnetic field component derived from a measurement object (8) in actual measurement data and/or executes emphasisization of the magnetic field component derived from the measurement object, on the basis of the actual measurement data obtained by actually measuring, by a magnetic sensor (21) at a measuring position on the surface of the nonmagnetic body, a magnetic field derived from the object when a magnetic field is applied to the measurement object, and on the basis of virtual measurement data generated under a virtual condition obtained by correcting an actual measurement condition.

IPC 8 full level

**G01N 27/83** (2006.01)

CPC (source: EP KR US)

**G01N 27/82** (2013.01 - US); **G01N 27/83** (2013.01 - EP KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 4024044 A1 20220706**; **EP 4024044 A4 20220921**; JP 7351341 B2 20230927; JP WO2021039880 A1 20210304; KR 20220039782 A 20220329; US 2022326182 A1 20221013; WO 2021039880 A1 20210304

DOCDB simple family (application)

**EP 20859025 A 20200827**; JP 2020032272 W 20200827; JP 2021542987 A 20200827; KR 20227006483 A 20200827; US 202017634538 A 20200827